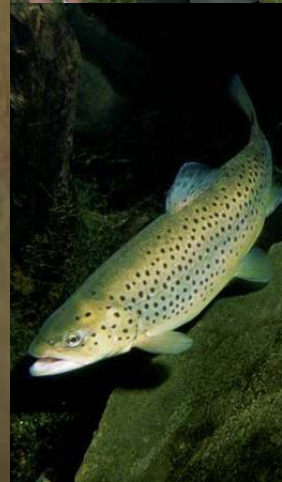
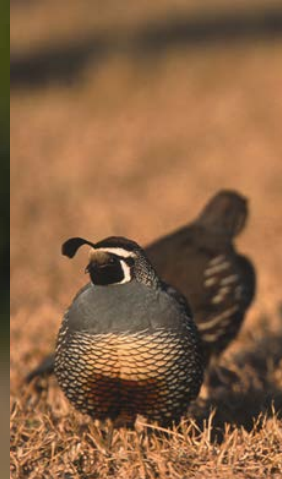




ASSOCIATION *of*
FISH & WILDLIFE
AGENCIES



The State of State Climate Adaptation Activities

Arpita Choudhury
AFWA Science & Research Liaison

A National Agenda

The Association of Fish and Wildlife Agencies *represents* **North America's fish and wildlife agencies** to promote sound management and conservation and speak with a collective voice on important fish and wildlife issues **at the national level.**





Our Mission

... to **conserve** fish and wildlife and their habitats in the public interest.

Our Members

Contribute their expertise on

more than 60 committees,
50 State Fish & Wildlife Agencies
subcommittees and working groups...
& the District of Columbia

Agricultural Conservation ▪ Angler/Boater Participation

Bird Conservation ▪ Climate Change ▪ Education/Outreach/
3 Territorial Fish & Wildlife
 Diversity ▪ Energy & Wildlife Policy ▪ Federal & Tribal Relations

Agencies Fish & Wildlife Health ▪ Fish & Wildlife Trust Funds ▪ Fisheries/
 Water Resources Policy ▪ Hunting/Shooting Sports Participation

International Relations ▪ Invasive Species ▪ Law Enforcement

9 Canadian Provinces &
Territories Legal ▪ Legislative/
 Federal Budget ▪ Science & Research ▪ Strategic Issues

Sustainable Wildlife Use ▪ Teaming With Wildlife

Threatened/Endangered Species Policy ▪ Wildlife Resource

2 Mexican States Policy ▪ Population ▪ Fisheries ▪ Diversity ▪ Drug Approval

Biofuels ▪ CEAP ▪ Coal Energy ▪ CRP ▪ CSP

Climate Change/Wildlife Action Plan ▪ Conservation Compliance

10 Federal Natural Resources
 Education ▪ ELP ▪ ESA/Climate Change ▪ Federal/State CITES

Agencies Access ▪ Forestry ▪ Furbearer Resources
 Management ▪ Human/Wildlife Conflict ▪ Interstate Wildlife

Violator Compact ▪ Landowner Incentives Program ▪ Lead and
4 Regional Fish & Wildlife
 Fish & Wildlife Health ▪ Conservation Compliance ▪ Marine

Fisheries ▪ Migratory Game & Upland Game Bird ▪ Nuclear

Onshore Oil/Gas & Oil/Shale/Tar ▪ Outreach ▪ Partners in Flight/
 Shorebird/Waterbird ▪ Post Drug Approval ▪ Public Access

Resident Game Bird ▪ Waterfowl ▪ Wildlife Viewing & Nature
 Tourism ▪ WHIP ▪ Wind Power & Transmission Corridors ▪ WRP

... and more!





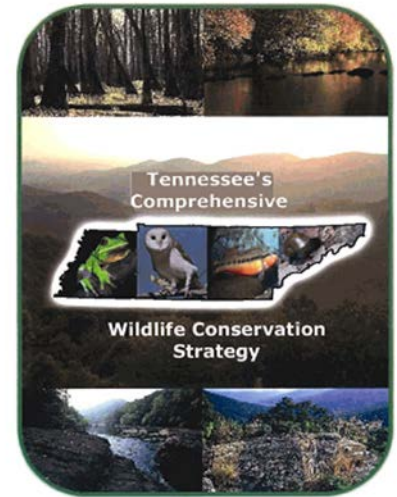
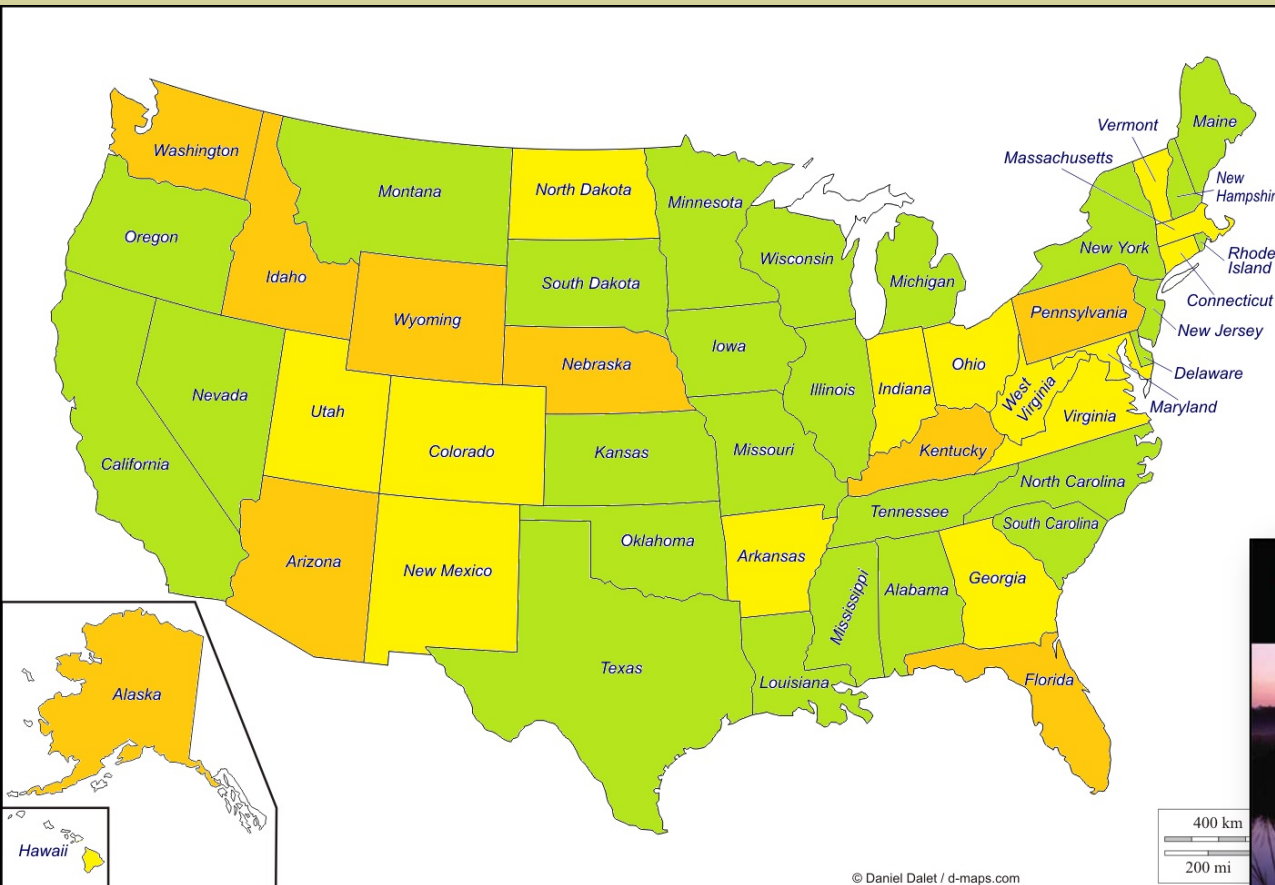
ASSOCIATION of
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AGENCIES

Voluntary Guidance for States to Incorporate Climate Change into State Wildlife Action Plans & Other Management Plans

Available on www.fishwildlife.org

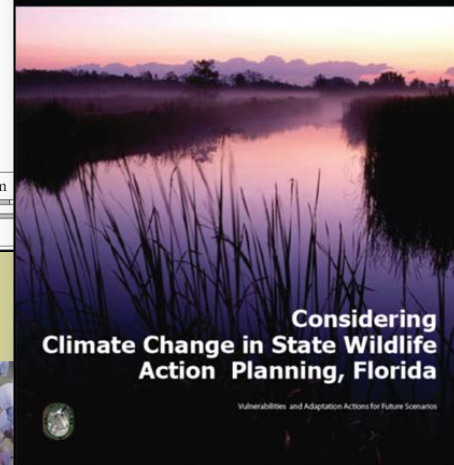
A Collaboration of the Association of Fish & Wildlife Agencies'
Climate Change and Teaming With Wildlife Committees
September 2009

State Wildlife Action Plans



September 2005

Tennessee Wildlife
Resources Agency

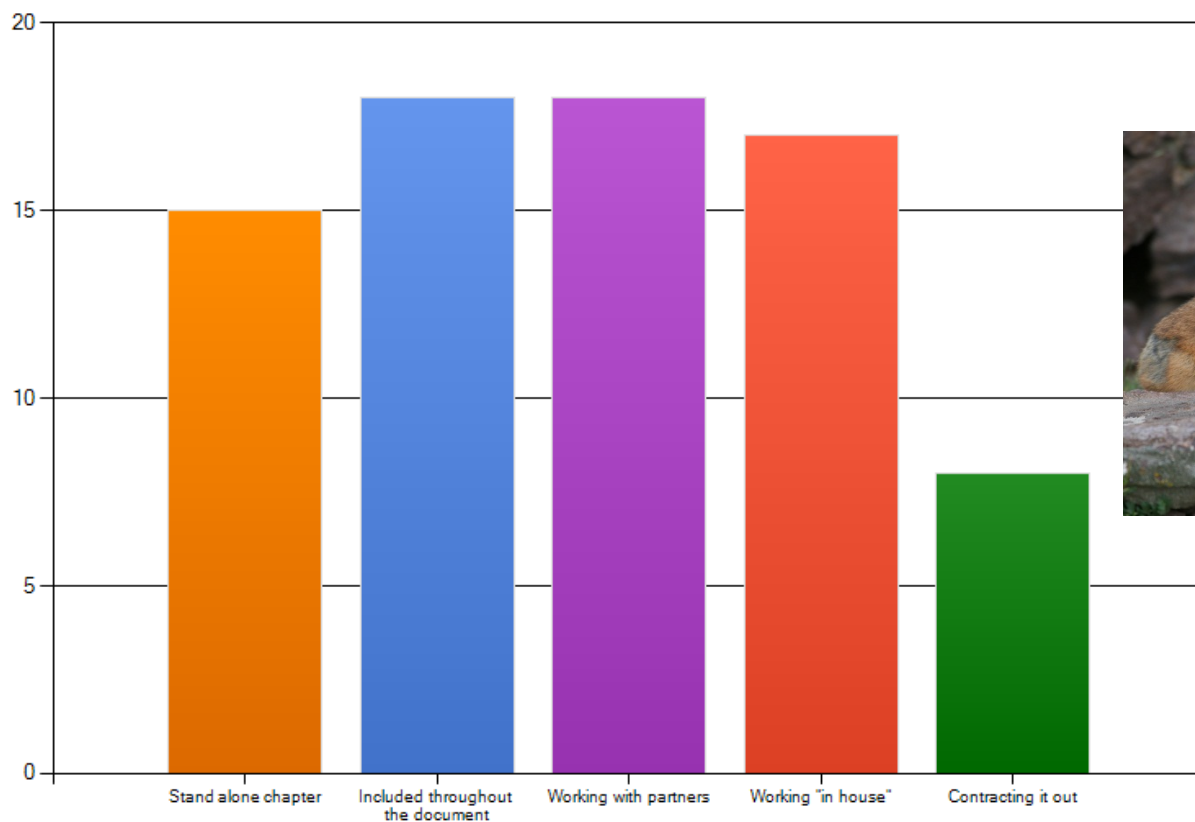


Incorporating Climate Change into State Wildlife Action Plans: Orange States-Completed; Green States-In Process; Yellow States-Not Yet

State Wildlife Action Plans

As a Platform for Adaptation

If so, how is your agency updating their State Wildlife Action Plan for climate change?
(Choose all that apply)



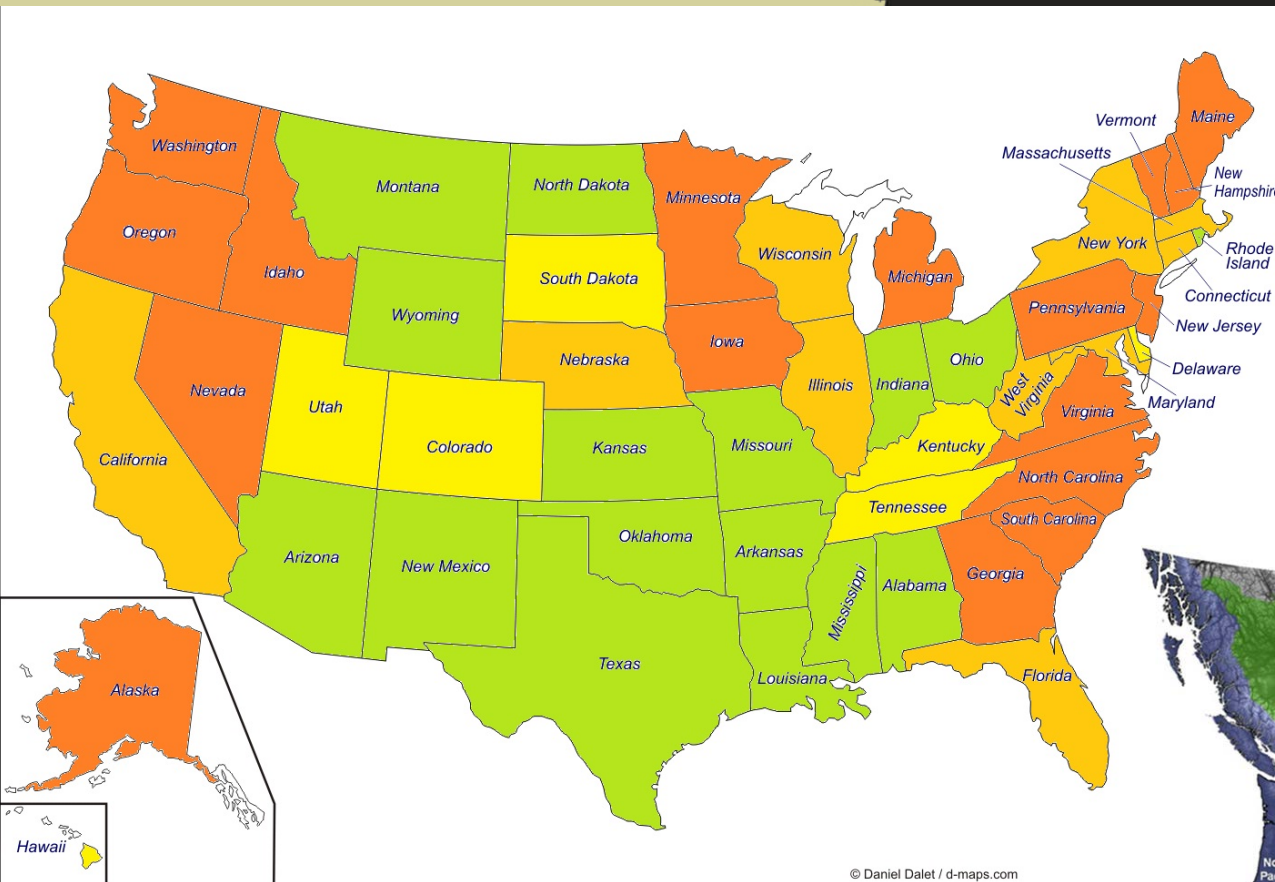
Voluntary Guidance for States to Incorporate
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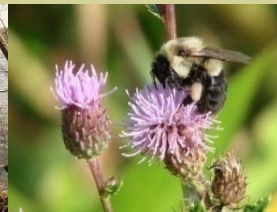
Vulnerability Assessments



© Daniel Dalet / d-maps.com

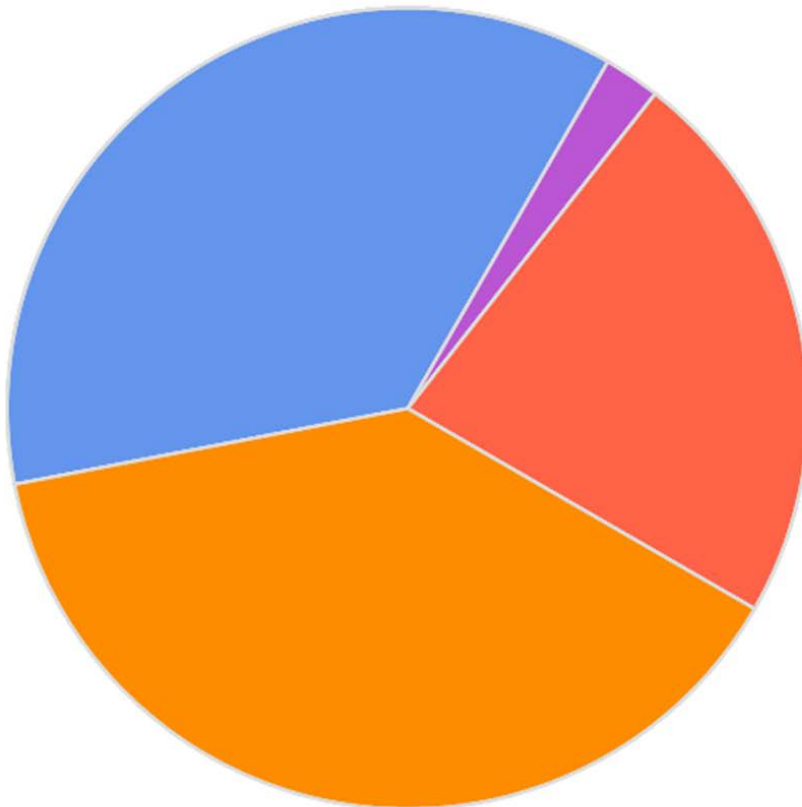


Vulnerability Assessments: Light Orange States-Completed; Dark Orange States-Under Way; Yellow States-Determining Process; Green States-Not Yet



Vulnerability Assessments

If the answer is yes, what process was used? (Choose all that apply)



Guidelines for Using the
NatureServe Climate Change
Vulnerability Index



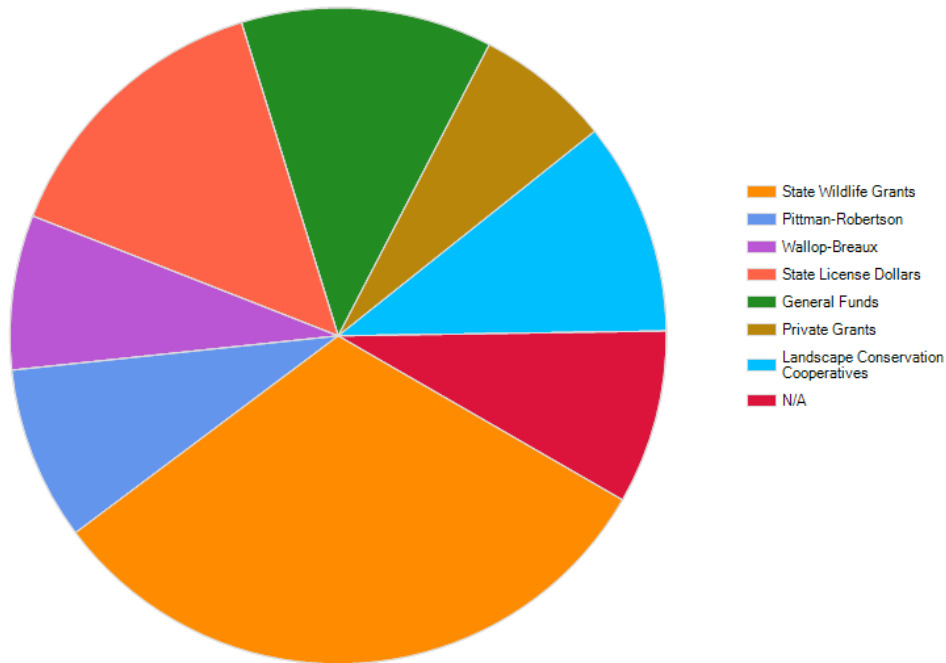
-  NatureServe Vulnerability Index
-  Expert Panel
-  USFS SAVS System (System for Assessing Vulnerability of Species to Cl...)
-  Self-Developed Framework or Index



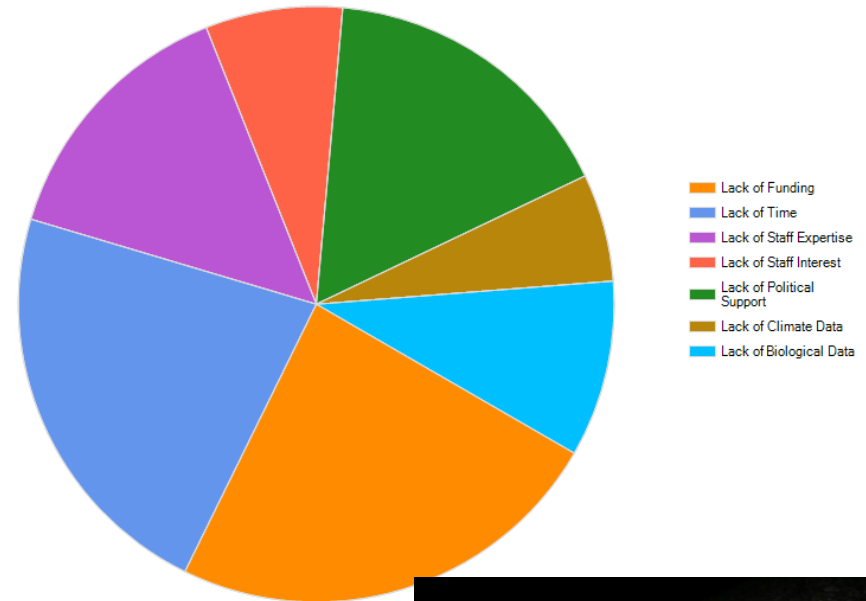


Challenges & Barriers

How does your agency fund climate change work? (Choose all that apply)



What are the challenges/barriers that are holding your agency back from doing climate change work? (Choose all that apply)



M. Burroughs

Partnerships

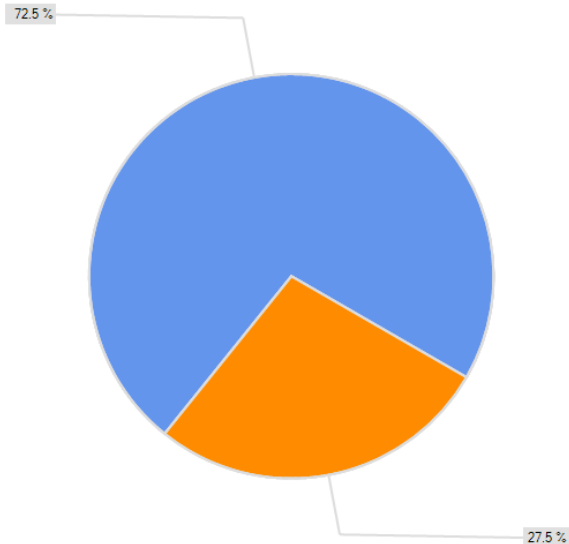
A Future Conservation Landscape to Sustain Fish and Wildlife in the Southeast

A Briefing Document for SEAFWA Directors

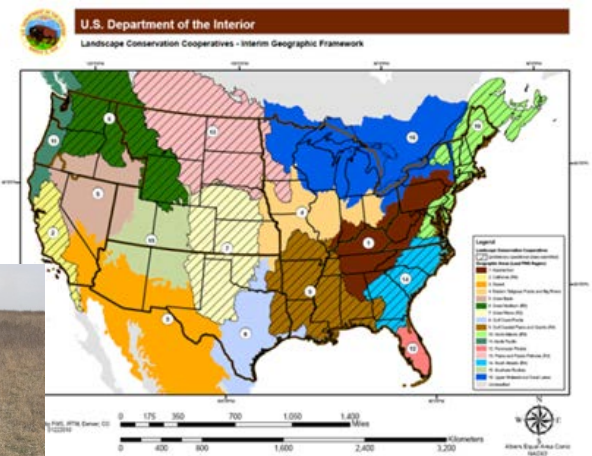
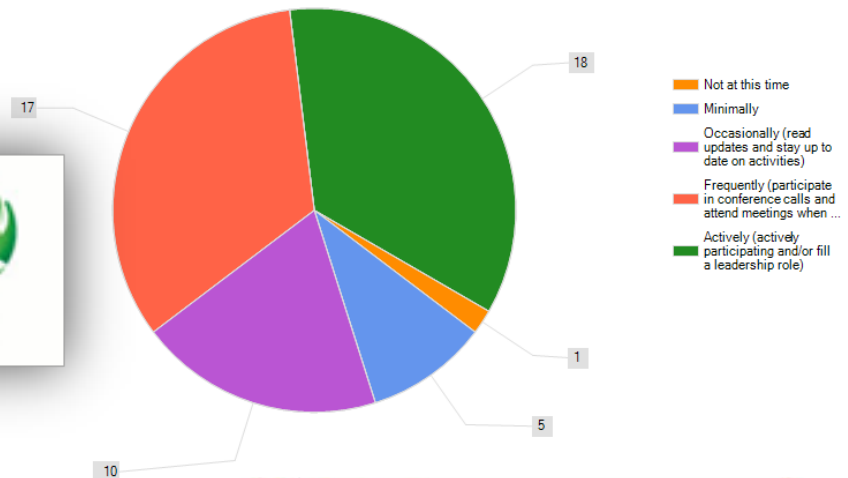


The Nature Conservancy
Protecting nature. Preserving life.™

Is your agency involved in collaborative climate change projects with conservation partners (federal, state, NGO, academia, etc...)?

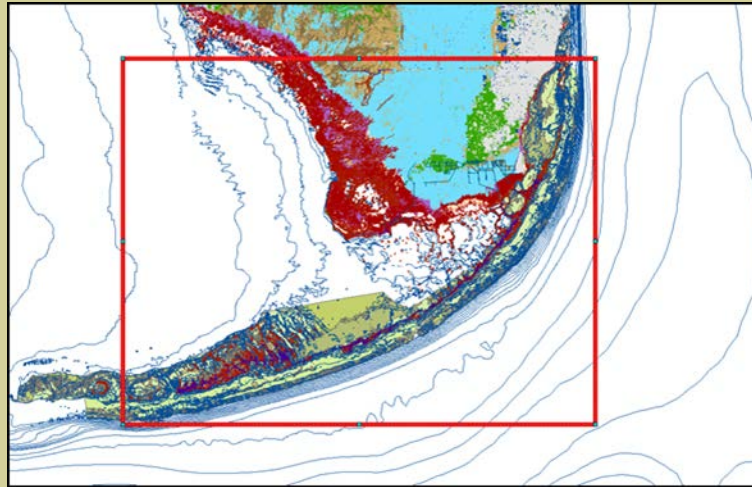


Is your agency working with the Landscape Conservation Cooperatives?



FWC Climate Projects

- Developing Climate Change Adaptation Strategies for Florida
- Alternative Futures Under Climate Change for the Florida Key's Benthic and Coral Systems
- Predicting and Mitigating the Effects of Sea-Level Rise and Land Use Changes on Imperiled Species and Natural Communities in Florida
- SLRP – The Development and Implementation of the FWC Sea Level Rise Program



Wisconsin Climate Change Initiative

WISCONSIN'S CHANGING CLIMATE:

IMPACTS AND ADAPTATION

The first report of the Wisconsin Initiative on Climate Change Impacts

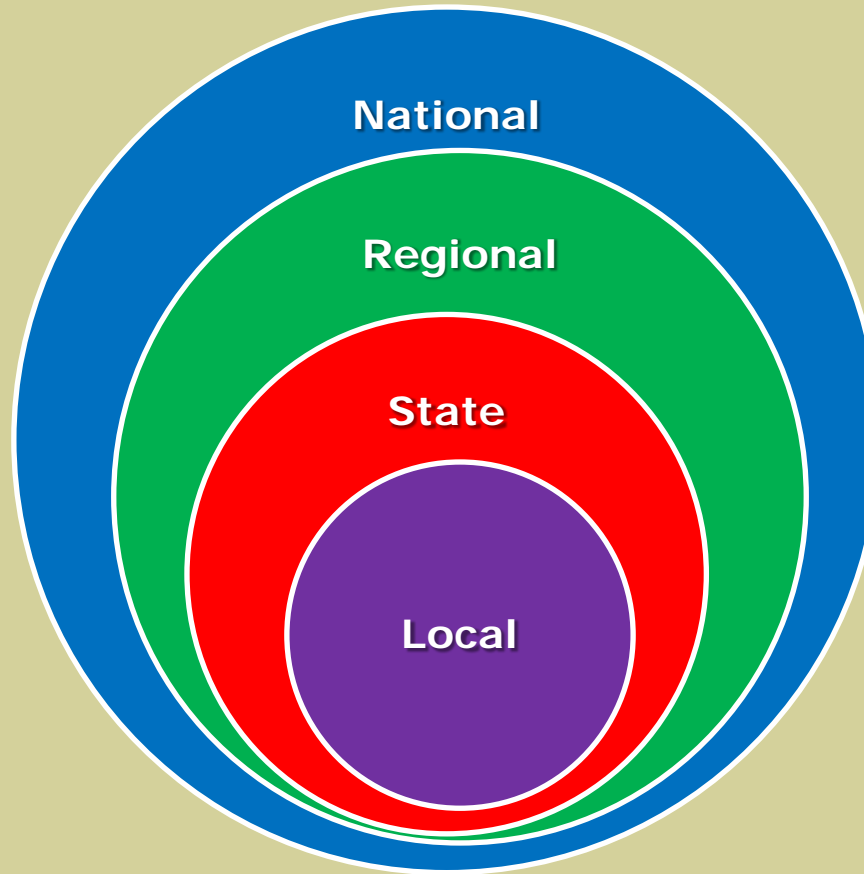
2011

Working Groups

- Agriculture
- Central Sands Hydrology
- Coastal Communities
- Coldwater Fish & Fisheries
- Forestry
- Green Bay
- Human Health
- Milwaukee
- Plants & Natural Communities
- Soil Conservation
- Stormwater
- Water Resources
- Wildlife



Growing Adaptation Framework





Goals:

Conserve habitat
CS management
Increase capacity
Adaptive management
Increase information
Motivate action
Reduce stressors

Outcomes:

Collaboration
Coordination
Integration
Understanding
Larger scales
Efficiency
Effectiveness
Resilience
Adaptation



NATIONAL *fish, wildlife & plants*
CLIMATE ADAPTATION STRATEGY



achoudhury@fishwildlife.org

